



INFORMATION TECHNOLOGY STRATEGIC PLAN

FOR FISCAL YEARS: 2023-2025

COURTS IN COCONINO COUNTY



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COURTS IN COCONINO COUNTY

INTRODUCTION

This is a three year information technology strategic plan for the courts in Coconino County covering the period from January 2021 through June 2025. It was created as an update to the FY21-FY23 plan submitted in March 2020.

The courts in Coconino County are composed of the following:

Superior Court in Coconino County
Flagstaff Justice Court
Fredonia Justice Court
Page Justice Court
Williams Justice Court
Flagstaff Municipal Court
Fredonia Municipal Court
Page Municipal Court
Williams Municipal Court
Tusayan Municipal Court

The Superior Court provides administrative direction to the courts. Each court also works closely with its local funding agency, which is county government for superior and justice courts and city government for municipal or magistrate courts.

The automation for the courts is primarily centralized with the Administrative Office of the Courts (AOC). The courts participate in providing direction for the strategic automation projects through a variety of user and other statewide policy groups. These include:

- The Commission on Technology and its subcommittees:
 - Court Automation Coordinating Committee,
 - Probation Automation Coordination Committee, and

- The Technical Advisory Council,
- The General Jurisdiction (GJ) Case Management System (CMS) Steering Committee and Users' Group,
- The Limited Jurisdiction (LJ) Case Management System (CMS) Steering Committee and Users' Group,
- The Arizona Court Automation Project (ACAP) Users' Group,
- The Juvenile On-Line Tracking System (JOLTS) Users' Group and
- The Adult Probation Enterprise Tracking System (APETS) Statewide Users' Group.

Courts are also represented on the Clerks of the Court Association, General Jurisdiction Case Management System Committee, Arizona Judicial Council, Committee on Superior Court, Committee on Limited Jurisdiction Courts, Superior Court Administrators Association, Limited Jurisdiction Court Administrators Association, PAM Users, as well as Code Standardization and Caseflow Managers Groups.

A. PLANNING METHOD AND PARTICIPANTS

This section outlines the participants, processes and events that contributed to formulating the Information Technology Plan for Coconino County Courts.

A countywide automation committee made up of representatives from courts developed this plan. Participants included:

Hon. Dan Slayton	Presiding Judge, Coconino County Superior Court
Hon. Valerie Wyant	Clerk of the Superior Court
Hon. Howard Grodman	Justice of the Peace, Flagstaff Justice Court
Hon. Serena Cutchen	Justice of the Peace/Presiding Magistrate, Fredonia Justice Court
Hon. Donald G. Roberts	Justice of the Peace, Page Justice Court
Hon. Robert Krombeen	Justice of the Peace/ Williams Justice Court Presiding JP/ & Presiding Magistrate, Tusayan Municipal Court
Hon. Adam Zickerman	Presiding Magistrate, Williams Municipal Court
Hon. Thomas Chotena	Presiding Magistrate, Flagstaff Municipal Court
Hon. Andrew Hettinger	Presiding Magistrate, Page Municipal Court
Sharon Yates	Court Administrator, Coconino County Superior Court
Shelly Bacon	Deputy Court Administrator, Coconino County Superior Court
Jessica Cortes	Court Administrator, Flagstaff Municipal Court
Heidi Lofgren	Deputy Court Administrator, Flagstaff Municipal Court
Sarah Douthit	Chief Probation Officer, Coconino County Adult Probation
Casie Lightfoot	Director, Coconino County Juvenile Court Services
Jared Nishimoto	Court Information Systems Coordinator, Courts in Coconino County
Neil Blain	Court Information Systems Coordinator, Courts in Coconino County

B. JUDICIARY STRATEGIC AGENDA: STATE AND LOCAL

B.1. JUDICIAL BRANCH STATEWIDE AGENDA

The court supports *JUSTICE FOR THE FUTURE: PLANNING FOR EXCELLENCE 2019-2024* and its vision to increase the public's trust in the court system, to inspire confidence that individual rights are being protected, and to ensure that all citizens are being treated fairly. This strategic agenda was released in July 2019 at the direction of the judiciary's new chief justice. It remains consistent with the previous *ADVANCING JUSTICE TOGETHER* vision and encompasses five broad goals, each associated with several key strategic business needs. The goals are:

1. Promoting Access to Justice;
2. Protecting Children, Families, and Communities;
3. Promoting Judicial Branch Excellence and Innovation;
4. Enhancing Professionalism within Arizona's Courts; and
5. Promoting Public Trust and Confidence.

B.2. LOCAL COURT AND AGENCY STRATEGIC AGENDAS, INITIATIVES, AND BUSINESS PRESSURES WITH RESPONDING LOCAL COURT AND AGENCY TECHNOLOGY INITIATIVES

The courts in Coconino County and their associated local funding agencies have identified additional strategic business goals, initiatives, and pressures. Applicable information technology initiatives or projects have been aligned with them as follows:

Court/Local Agency Name	Strategic Agenda	Related IT Initiative(s)
Adult Probation	Protecting Children, Families, and Communities	Explore Participation in Automated Public Safety Assessments
Clerk of Superior Court	Promoting Access to Justice	Explore Clerk of Superior Court branch office in Page, AZ
Clerk of Superior Court Flagstaff Justice Court	Promoting Judicial Branch Excellence and Innovation	Explore portal/kiosk for juror check-in
Coconino County Courts	Promoting Access to Justice	Expand and update the services provided on the Coconino County Courts web page. This would include putting more self-help forms on the web page that would allow customers to complete forms on-line. This would allow for the form to be completed on-line, printed, and then filed at the appropriate court office. This will also include the web page being

Court/Local Agency Name	Strategic Agenda	Related IT Initiative(s)
		available in other languages, according to the Language Access Plan and have Spanish forms readily available.
Coconino County Courts	Promoting Access to Justice	Continue to expand the use of e-courts and electronic filing technology.
Coconino County Courts	Promoting Access to Justice	Expand the use of technology to enhance courtroom presentation systems.
Coconino County Courts	Promoting Access to Justice	Expand use of Video Remote Court Interpreting
Coconino County Courts	Enhancing Professionalism within Arizona's Courts	Continue to utilize webcast and web-based trainings via using new technology i.e., TEAMS/Zoom
Coconino County Courts	Promoting Access to Justice Promoting Public Trust and Confidence	Explore and implement auto posting of court calendars directly to the court website
Coconino County Courts	Enhancing Professionalism within Arizona's Courts	Continue to update the COOP for all courts.
Coconino County Courts	Enhancing Professionalism within Arizona's Courts	Explore the expanded use of video conferencing. (i.e. virtual presentations, meetings, visitation).
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Expansion of electronic minute entries to all case types
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Expansion and enhancement of Criminal Justice Integration project.
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Expand the use of IT automation to meet state-wide case processing standards
Coconino County Courts	Promoting Access to Justice	Expand the AZ Court Help project

Court/Local Agency Name	Strategic Agenda	Related IT Initiative(s)
Coconino County Courts	Promoting Access to Justice	Unify all courts to one online payment system.
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Implement digital signatures
Coconino County Courts	Promoting Access to Justice Promoting Judicial Branch Excellence and Innovation	Website redesign
Coconino County Courts	Enhancing Professionalism within Arizona's Courts	Develop computer-based training programs for staff
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Expand the use of Electronic Records Retention and Destruction to all courts (Phase 2)
Coconino County Courts	Promoting Judicial Branch Excellence and Innovation	Explore electronic warrant validation
Coconino Juvenile Court	Promoting Judicial Branch Excellence and Innovation	Expand the use of video conferencing technology with Juvenile courts by creating rule changes allowing Judges to determine when hearings can be done via video conferencing.
Flagstaff Justice Court	Promoting Judicial Branch Excellence and Innovation	Explore portal/kiosk for defendant check-in
Limited Jurisdiction Courts Clerk of Superior Court	Promoting Judicial Branch Excellence and Innovation	Expand electronic transfer of case from limited jurisdiction courts to superior court
Flagstaff Municipal Court / Williams Justice Court	Promoting Access to Justice Promoting Judicial Branch Excellence and Innovation	"File Free" paperless case processing Phase 2
Justice Courts	Promoting Access to Justice	Implement online pleas and online dispute resolution
Limited Jurisdiction Courts	Promoting Judicial Branch Excellence and Innovation	Expand use of online search warrant to all search warrants

Court/Local Agency Name	Strategic Agenda	Related IT Initiative(s)
Limited Jurisdiction Courts	Promoting Judicial Branch Excellence and Innovation	Explore Implementing paper on demand processing in all Limited Jurisdiction Courts
Coconino County Courts	Promoting Access to Justice	Explore an automated calling system to reduce FTAs and FTPs.
Superior Court	Promoting Access to Justice	Explore Online Dispute Resolution (ODR)
Superior Court	Protecting Children, Families, and Communities	Implement parent education online registration
Justice Courts	Promoting Judicial Branch Excellence and Innovation	Implement new audio mixing system (BIAMP) to remaining courts
Flagstaff Justice Court	Promoting Access to Justice	Explore and implement phone queueing system for high-call-volume courts

C. CURRENT TECHNOLOGY ENVIRONMENT

This section describes both the statewide and local hardware and software environment. Hardware includes mainframes, servers, desktops, and other peripherals. Software includes statewide applications, local software and desktop productivity tools.

HARDWARE

The Arizona Judicial Department has a diverse mix of hardware used by the various projects and programs that have evolved and applications that have been acquired and/or developed over the last several years. The mix of hardware that the county courts accesses includes the newest architectures designed to support the complexity of these applications and the large geographical area served by the Judicial Branch.

The server environment, hosted at the Administrative Office of the Courts Data Center, includes IBM AIX systems for the ACAP courts and the appellate courts and Windows servers provide for Internet, Intranet, e-mail, Statewide Crystal Enterprise/SSRS ad-hoc reporting, and statewide remote online training as well as file and print sharing.

The desktop environment includes a variety of PCs. AOC/ITD, under COT's direction, refreshed all the State-owned external (ACAP and JOLTS) PCs (about 3500) in FY15. Because of the long hardware life expected for the new PCs and the ever-shortening support cycle by software manufacturers, the project also includes a change to a subscription model for the operating system and office productivity applications utilized by all PCs deployed in the courts' environment. This most recent refresh activity, placed the following models in service:

- Desktop: HP Z2 G5 SFF G5 SFF – 2X3J9UT
Intel Core i5-10500 Processor (3.1 GHz, 6MB Cache), Intel HD Graphics 4600, 8GB DDR4-3200 DIMM (2x4GB) RAM, 256GB SATA SSD Hard
- Laptop: HP ZBook Firefly 15u G7 G6 Notebook PC
Intel i5-6300U/UMA Graphics – L3D24AV, i5-10210u (1.6 GHz w/Turbo, 6MB Cache) Processor, and Intel HD Graphics 520, Intel Core i5 vPro, Integrated camera, Integrated NVMe 256GB HD
- Printer: E6B9A#ABA HP LaserJet - HP LaserJet M605n/M608n

The hardware listed in Appendix A reflects equipment used to support the court management system software, the juvenile tracking software, other state-provided applications as well as additional local record keeping functions. Additional hardware beyond these desktop items is also listed.

SOFTWARE

Appendix A also identifies all the software used in the courts. It includes the state-provided applications such as AJACS, APETS, TIP, JOLTSaz, eFiling, Digital Evidence and any word processing, spreadsheet, report writing, and other database or other tracking applications.

D. INFORMATION TECHNOLOGY STRATEGIC PROJECTS

This section identifies each statewide and local strategic project in which the courts in Coconino County participate in or will actively pursue, in the next three years. For those projects primarily supported at the state level, it will identify project status and describe the local courts' planned participation and note any related, independent future plans. For independent but complimentary local projects, additional details on resources and future plans are included.

This section also includes information for independent technology projects which are not primarily supported by state resources. Information on these projects includes alignment to both statewide and local technology strategic initiatives and enterprise architecture standards. Any technologies or products appearing in the "Retirement" column of the Enterprise Architecture standards table have a corresponding migration or replacement project identified.

The statewide strategic technology priorities as assigned by the Commission on Technology, are as follows:

1. Production Support (incl. bug fixes, req'd chgs)
2. Manage & Improve Security (incl. COOP revw)
3. Improve Technology Recovery Capability
4. Replace Obsolete Systems
5. Review and Reinforce Technology Support
6. Virtual Court Enablement
7. Public Facing Services (eFiling, eAccess, eNotification, ODR)
8. Identify Funding Needs and Stable Sources
9. Integrate Systems to Improve Productivity and Capability
10. Enhance Core Systems with New Functionality

COT members also reaffirmed the importance of existing strategic projects and placed them in the general priority set indicated below:

- Deploy & Refine New eFiling Case Types
- Refine LJ Judge Automation for e-Filing
- Justice Court eFiling
- FARE - Infrastructure Port
- Deploy Online Dispute Resolution
- Mental Health Repository
- Data Standards Translation Technology
- IT Operational Standards
- APETS Replacement
-
- eWarrant System
- New Appellate CMS Implementation
- FARE Implementation for Non-Standard Courts
- LJ PSA Automation
- Data Access Portals
- Digital Evidence
- Virtual Court Support
- Child Support Calculator Updates
- Prosecutor/PD System Integration

COURT ACCOMPLISHMENTS CY2020/2021

This section lists the courts' information technology accomplishments from January 2020 to January 2022.

Strategic Project (State or Local)	Program / Project	Description	Local Accomplishment
Local	New Facility for Flagstaff Municipal Court	Build a larger facility for FMC to conduct court business	Flagstaff Municipal Court moved into the new facility in October 2020.
Local	Ability to Update Financials in AJACS (Phase 2)	Giving access to Adult Probation to AJACS to update financials in near real time. Explore access to AJACS via terminal services.	Adult Probation has access to update financials
Local	Expand Online Payments Website to include case payment lookup	Expand Online Payments to include case and fine lookup	NCourt is now online
Local	Integrate Adult Probation & Clerks Office AJACS Financials	Integrate Adult Probation and Clerk of Court AJACS financials so that there isn't disparate data on defendants	Financials Integrated
Local	State-Hosted OnBase for Clerk of the Court	Move the Clerk of the Superior Court to state hosted OnBase	All documents moved to the State CDR and all OnBase operations moved to the state hosted system
Local	Marriage License	Move Marriage License recording from County to AJACS	Revised the Marriage License and started recording MLs in AJACS
Local	Upgrade Courtroom Audio Technology	Install Biamp system to interface with telephonic and teleconferencing (Zoom) systems	Installed Biamp systems in 6 Divisions in the Superior Court and Juvenile Courts
Local	Page Courthouse Expansion	Renovate the courthouse to move Page Justice Court into a better space	Moved Page Justice court to a newly renovated space

Strategic Project (State or Local)	Program / Project	Description	Local Accomplishment
Local	Virtual Court Hearings during Pandemic	Implement a teleconferencing system that allows remote attendance to court hearings	Implemented Zoom to conduct virtual court hearings.
Local	E-Access	Implement E-Access services for Superior Court	Implemented E-Access services for Superior Court
Local	Juvenile HOPE Center	Intended to deter youth from entering the court system by providing a stress free space for youth	Completed HOPE center and all associated IT work within the center
	Explore web services for pro se litigants.	Create forms in other languages	Created forms in other languages
Local	Online <i>Voir Dire</i> questionnaires	Create and implement an online <i>Voir Dire</i> questionnaire to reduce the number of jurors entering the courthouse	Implemented online jury <i>voir dire</i> questionnaires through the use of Survey Monkey software
Local	Judicial Performance Review	Judicial Performance Review of Judges	Participated in the Judicial Performance Review process for Judges facing retention election in 2022 and for Judge's midterm review
Local	Explore and conduct facilities needs assessment	Conduct a facilities needs assessment for future growth within the courts	Facilities needs assessment completed
Local	Expand the use of Electronic Records Retention and Destruction to all courts	Expand the use of ERR&D to reduce the records no longer needed	Phase 1 Completed
Local	Ability to update financials in AJACS (Phase 2)	Giving access to Adult Probation to AJACS to update financials in near real time. Explore access to AJACS.	Adult Probation now has access to AJACS and the ability to update financials in real time

Strategic Project (State or Local)	Program / Project	Description	Local Accomplishment
Local	Work from Home	Develop a work from home strategy that will allow personnel for work from home during the Pandemic shutdown.	Implemented work from home procedures during Pandemic
Local	Survive Covid-19 Pandemic	Survive the 2020-2021 pandemic	We Survived
Local	Provide Pretrial Instructions in multiple languages	Create a video for pretrial and dub with multiple languages.	Pretrial and initial appearance rights videos in other languages

COURT PROJECTS MASTER LISTING

This section collects all information technology project-related information for all the courts during the plan period. Projects listed include both those in support of statewide efforts as well as independent strategic technology projects that support the court's strategic initiatives independent from the statewide projects.

Statewide Project Participation						
Strategic Project Name / Phase	Brief Project Description	Related Statewide Project	Participation Scheduling	Planned Completion Date	Current Project Lifecycle Phase	Project Risks, Issues, Concerns
Explore Participation in Automated Public Safety Assessments	Explore Automated Public Safety Assessments for faster turnaround of assessment to judges	LJ Public Safety Assessment	Early adopters	FY23	Conceptual	
Expand Use of e-Courts and Electronic Filing Technology	Expand use of e-courts and electronic filing	Electronic Filing	Among the last to implement	FY23	Underway	
Expand Use of IT Automation to Meet State-wide Case Processing Standards	Automate processes to comply with state-wide case processing standards	AJACS GJ Enhancements & Reports	Early adopters	FY23	Underway	
Explore Electronic Warrant Validation	Change from a manual to electronic warrant validation	eWarrants	Early adopters	FY24	Conceptual	
Expand Electronic Transfer of Cases	Transfer of case information electronically from LJ courts to superior court	Electronic Filing	Early adopters	FY23	Underway	

Statewide Project Participation						
Strategic Project Name / Phase	Brief Project Description	Related Statewide Project	Participation Scheduling	Planned Completion Date	Current Project Lifecycle Phase	Project Risks, Issues, Concerns
Expand Online Search Warrant	Expand online search warrants from blood draw to all search warrant types.	eWarrants	Early adopters	FY22	Conceptual	
Explore Paperless Court Operations in all Limited Jurisdiction Courts	Explore the implementation of EDMS in LJ courts	Electronic Filing	Early adopters	FY23	Underway	
FTA/FTP Auto Notifications	Create call out system to reduce FTA/FTPs	Automated Notifications	Mid-Cycle adopters	FY24	Underway	Connecting call out system with AJACS
Implement Paperless Court Operations	Implement paperless case processing in Flagstaff Muni and Williams JP.	Electronic Filing	Early adopters	FY23	Underway	

Other Local Independent Projects

Strategic Project Name / Phase	Brief Project Description	Planned Completion Date	Current Project Lifecycle Phase	Project Risks, Issues, Concerns
Explore Branch Office in Page	Explore Branch Office of the Clerk for the Superior Court in Page	>FY24	Conceptual	
Explore Portal/Kiosk for Juror Check-In	Explore implementing a jury portal/kiosk for easier jury check-in	FY22	Conceptual	
Webpage Expansion	Includes putting more self-help forms on the web page that would allow customers to complete forms on-line, print them, then file at the appropriate court's office. Also, making web page available in other languages, according to the Language Access Plan; Spanish forms readily available; juror web page update and expansion; and exploring web services for pro se litigants.	>FY26	Underway	
Enhance Courtroom Presentation Systems. and Include Presentation of Digital Evidence	Implement the use of technology to enhance courtroom presentation systems in order to enhance clarity of communications in court proceedings.	FY23	Conceptual	
via using new technology i.e. TEAMS/Zoom	Use remote interpreters when local interpreters are not available	FY22	Underway	
via using new technology i.e. TEAMS/Zoom	Utilize web-based teleconferencing and web-based training to give rural courts the opportunity to attend trainings via TEAMS /	FY24	Underway	

Other Local Independent Projects

Strategic Project Name / Phase	Brief Project Description	Planned Completion Date	Current Project Lifecycle Phase	Project Risks, Issues, Concerns
	Zoom computer-based training programs for staff			
Auto Posting of Court Calendars Directly to Court Website	Automate the calendars from AJACS to post directly to the website	FY22	Conceptual	
Update COOP	Continue to update the COOP plan for all courts for current threats	>FY26	Underway	
Expanded Use of Video Conferencing	Provide telecommunications solutions for meetings, virtual presentations, and visitation to outlying courts	FY22	Underway	
Expansion of Electronic Minute Entries	Create Minute Entries directly in the case management system for all case types	FY22	Conceptual	
Criminal Justice Integration Project	Continue to expand and enhance the Criminal Justice Integration project	>FY26	Underway	
Expand AZ Court Help	Expand self-help available to the public, both on physical media and on the internet	FY23	Underway	
Unify Online Payment System	Move all courts to one online payment system	FY24	Underway	Waiting on AOC to accept all case types in FARE
Expand Electronic Records Retention and Destruction (Phase 2)	Expand the use of ERR&D to reduce the records no longer needed in all courts	FY25	Underway	
Expand Video Conferencing Technology in	Use video conferencing technology for court hearings other than Initial	FY22	Conceptual	

Other Local Independent Projects

Strategic Project Name / Phase	Brief Project Description	Planned Completion Date	Current Project Lifecycle Phase	Project Risks, Issues, Concerns
Justice Courts	Appearances as determined by the judge			
Portal/Kiosk for Defendant Check-In	Explore kiosk technologies that will enable defendants to check-in to court without staff intervention	FY23	Conceptual	
'File Free' Phase 2	Scanning of all case files day forward	FY23	Underway	
Online Pleas and Online Dispute Resolution	Allow customer plea online and provide an online dispute resolution platform	FY23	Conceptual	
Implement New Audio Mixing System (BIAMP)	New courtroom equipment	FY22		
Phone Queueing System	Explore and implement phone queueing system for high-call-volume courts	FY23		
Parent Education Online Registration	Implement an online registration for parent education programs required by the court	FY22	Planned	

D.1. MAJOR STATEWIDE INITIATIVES AND PLANNING/IMPACT INFORMATION

This section provides Commission on Technology with visibility into the demand for various statewide systems currently in development. Also listed below are initiatives that require long-range preparation and may have significant impacts on local infrastructures, resources, and training requirements. Courts should consider high-level impact perspectives that factor into their participation in statewide systems and initiatives.

Statewide Initiative Prosecutor/Defender Criminal Case Integration	
<p>Description:</p> <p>Prosecutors and Public Defense attorneys desire to e-file their submissions from within their respective Records Management Systems (RMSs). In this circumstance, the RMS functions as a third-party EFSP so the standard e-filing system user interface is not used. The implementation approach, called system-to-system e-filing, calls for the integration of data-carrying message exchanges communicated between the RMSs and the statewide e-filing system based on the OASIS LegalXML Electronic Court Filing v4.01 international standard, augmented by the Arizona Supreme Court's LegalXML extension schema and written specifications. The statewide e-filing system currently supports these message exchange standards. This project may also require expanding the scope of standard e-filing to support Arizona Disposition Reporting System (ADRS) updates.</p> <p>Each prosecuting attorney and public defender organization will require support from their respective RMS providers to develop the message exchange interfaces necessary to support system-to-system e-filing. Each vendor's implementation will be certified by the AOC before being permitted to e-file in the Court's production environment.</p> <p>Anticipated rollout timeline:</p> <p>Varies by level of court and case type. The greater the number of different RMS products involved, the longer the implementation schedules will be.</p>	
1. Timeframe in which needed: (immediately, next 12 months, 1-2 years, 3-4 years)	Next 12 months
2. General Importance or Impact to Your Court:	

Statewide Initiative
Enhance LJ Judge Automation
(Limited Jurisdiction Courts Only)

Description:

Historically, court automation was significantly structured to take place in the back-office via a judicial administrative assistant, clerk, court information staff, or judicial officer. Current technology advances provide the opportunity to move away from paper and into the digital world. All technology enhancements introduce changes that have some impact on the court and court processes. The LJ AJACS application offers court staff and judicial officers the ability to use the court management system in the courtroom as well as in the back office.

The current AJACS Case Worksheet has been available to all LJ courts since their conversion from AZTEC. A new Judge Automation Focus Group will assess worksheet modifications and enhancements necessary to speed the judicial process and further streamline case processing (both in the courtroom and back office). This focus group will provide valuable feedback and suggestions for module enhancements and development of new features.

In addition, the AJACS system provides judges with electronic case documents and the ability to apply digital signatures to court documents, thereby eliminating the need for excess paper and hardcopy case files. Judges can view all available case documents through the Case Worksheet or Documents tab. Judges can apply their signature electronically to case documents that can then be signed electronically by the defendant. Some additional system enhancements to provide a more efficient electronic case processing experience through AJACS are under consideration and this system functionality will also be reassessed through the LJ Judge Automation project.

Anticipated rollout timeline:

Judges and court staff were trained on the use of the worksheet prior to each court's AJACS implementation. Additional features and enhancements determined by the Judge Automation Focus Group are being targeted for analysis, design, and development beginning summer of 2021. Implementation will be accomplished in two phases as future AJACS releases are pushed out. Phase I enhancements are targeted for February 2022 and Phase II prior to the end of calendar year 2022.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Next 12 months

2. General Importance or Impact to Your Court/Probation Department:

Statewide Initiative

Electronic Filing Case Types Expansion (Including Limited Jurisdiction Courts)

Description:

Delivering case information online removes the need for clerks to manually enter case data and scan case documents into CMSs, which has been the norm for processing physical paper documents delivered over the counter for decades. The goal of this statewide initiative remains to enable the e-filing of all case types in all Arizona courts. All general jurisdiction courts support civil case e-filing and all courts support protective order e-filing. Work is getting underway on family court and justice court e-filing.

As technologies evolve and more experience is gained, new concepts and approaches will be introduced to handle e-filing more efficiently and effectively. Equally important is reducing the cost of maintaining physical paper managed by each court. The current focus is to expand the implementation of e-filing by supporting additional case types. Functional enhancements planned include filing fees collection for the applicable case types, improved user experiences for each case type, case initiation support in Family cases, at a minimum, as well as system-to-system e-filing support in General Jurisdiction and Limited Jurisdiction courts.

Depending on the case type, an estimated 70 percent or greater of limited jurisdiction submissions are made in bulk by a handful of law firms, particularly in Eviction Action and Regular Civil cases. The delivery approach to be taken will consist of identifying the data required to create and supplement each case type, design and develop the user interface for each case type, and ensure that the message exchanges carry all requisite data and documents required for judge decision-making.

Anticipated rollout timeline:

Varies by level of court and case type. Case types (e.g., General Jurisdiction Family, Probate, Guardianship Conservator, Criminal, Juvenile Delinquency, Mental Health; Limited Jurisdiction Eviction Action, Regular Civil, and Small Claims) will be delivered on a case type-by-case type basis. Depending on the need, such as post-pandemic relief, the development of certain case types will take priority over others. Once user interface-based e-filing is established, attention will turn to the handful of law firms who want to support their bulk e-filing needs via system-to-system LegalXML message exchanges.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Next 12 months

2. General Importance or Impact to Your Court:

Statewide Initiative

Court Access to Mental Health Repository

Description:

The Committee on Mental Health and the Justice System recommended the creation of a workgroup to analyze and make recommendations to improve processes and coordination among courts handling Title 13, Title 36, or Title 14 proceedings involving a single individual. This information also impacts a Rule 11 proceeding or a subsequent Petition. They concluded that judges and attorneys involved in Rule 11, Title 36, or Title 14 proceedings must have access to basic information about a defendant's involvement in other mental health proceedings, including current location, findings, or pending proceedings in any other court in the state to preclude a finding that may be duplicating or contradictory to other pending matters.

The AOC has been charged with building a repository for Rule 11 information, to be populated by courts, that provides the basic information needed for attorneys to properly secure release of appropriate records from the correct court(s). This data repository will not include medical reports or other case documents. The attorney and/or court will still be responsible for requesting the release of the relevant records.

Anticipated rollout timeline:

AOC ITD is developing the case repository, using information categories and subject matter experts identified by the Committee. Connection to the repository by courts is dependent upon loading all data into the central case repository, scheduled for completion in mid-2022.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Schedule determined by AOC

2. General Importance or Impact to Your Court:

Statewide Initiative Electronic Warrant Expansion

Description:

The purpose of the eWarrant effort is to enable automated statewide arrest warrant processes for all Arizona jurisdictions to streamline the overall process through reliance on a single, trusted warrant repository in the state. The project is currently investigating various technical options. Provided sufficient funding can be obtained, following proof of concept and license negotiation with a key supporting vendor, the eWarrants Project will undertake full automation of existing warrant processes from end to end in a consistent manner throughout the entire State for courts and law enforcement agencies.

When a court issues or quashes a warrant, a CMS interface will electronically generate a transaction to be sent to the JWI system at DPS for law enforcement to act upon. Once the warrant has been executed by law enforcement and updated in JWI, the court will be electronically notified via AJACS. This round-trip process will keep warrant issues and servers in synch with each other and enable near-real-time notification between agencies on warrant-related activities, removing the guesswork that has plagued the paper system.

Anticipated rollout timeline: Following a pause for implementation of new warrant forms, AJACS enhancements have been made and testing with several pilot courts, JWI, and DPS is nearing completion. A timeline for statewide rollout will be predicated on the readiness of local law enforcement agencies that file into each court.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Immediately

2. General Importance or Impact to Your Court:

Statewide Initiative APETS Replacement

Description:

The scope of this project is to replace the current statewide Adult Probation Case Management System, APETS, with a modern, commercial-off-the-shelf solution that meets Adult Probation's needs and requirements. The commitment is to find a statewide approach and solution that meets the needs of the state's very diverse user groups; the merits and features of the systems will be evaluated against these statewide needs to determine suitability. Some of the target features for a replacement case management system include modernization, mobility, and managerial analytics. Maricopa County transitioned management of this effort to AOC, with continued statewide representation and engagement.

The initial RFP was published on June 9, 2021. The Court later determined that the RFP was overly complex and did not provide clear enough instructions and guidance for vendors resulting in its cancellation. Once completed, the re-drafted RFP will be published and will track to a revised timeline for the evaluation and procurement activities to be completed.

Anticipated rollout timeline:

A product must first be selected and a contract secured with the awarded vendor. Once completed, AOC will begin working with the vendor to establish the project plan and associated timeline. A rollout strategy will also be established to assist counties in preparing for the target timeframes to begin transitioning to the new case management system.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

1-2 years

2. General Importance or Impact to Your Court:

Statewide Initiative Courtroom Automation

Description:

The AJACS Case Management System provides automated case processing and workflow that assist court personnel with efficient management and disposition of court cases. Now that AJACS has been fully deployed to all ACAP courts the time has come to review the effectiveness of the application and identify further areas of improvement that will streamline court operations, specifically within the courtroom. To achieve this goal, modifications and enhancements to the Scheduling and Case Worksheet modules, as well as automated forms generation will be reviewed and analyzed. The LJ AJACS User Group will be asked to assist with identifying specific system functionality and workflows that should be enhanced and will act as subject matter experts. They will assist with testing as modifications are made.

In addition to the AJACS modifications, courts will have access to a digital evidence portal for acceptance, management, and courtroom presentation of any evidence that can be submitted in a digital form. The additional use of digital evidence technology in the courtroom may require additional equipment or improvements to existing A/V equipment.

Anticipated rollout timeline: Analysis of current functionality and business requirements gathering of enhancements will begin with LJ AJACS User Group at the November 2021 meeting. Development will be prioritized and planned for future AJACS releases beginning in the summer of 2022. Digital evidence is in the pilot phase with general rollout anticipated to begin late in FY22.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Next 12 months

2. General Importance or Impact to Your Court:

Statewide Initiative Online Dispute Resolution Deployment

Description:

Consistent with the goal of promoting access to justice and the recommendations of the Fair Justice Task Force, the Judicial Branch is working to reduce the time and expense in certain types of cases by allowing litigants to resolve disputes without ever coming to the courthouse. An online dispute resolution (ODR) system would facilitate evaluation, negotiation, and judicial decision in those case types.

A Criminal Misdemeanor ODR project was initiated to assist courts in limiting the number of in-person proceedings during the COVID pandemic, per Administrative Order 2020-48. The project will allow the arraignment and plea negotiation of criminal misdemeanor cases to occur online asynchronously. The program will allow for self-represented defendants as well as defense counsel to interact with the prosecutor. Documents can be executed and exchanged between parties and the court. This process alleviates in-person contact and allows options for prosecutors and defense counsel to continue to resolve cases while working remotely.

The AOC received \$110,600 in Arizona Coronavirus Emergency Supplemental Funding (ACESF) for the purposes of implementing the Criminal ODR project. A contract and amendment have been signed with Court Innovations (Matterhorn) to deploy the application to 22 total limited jurisdiction courts.

Anticipated rollout timeline:

ODR has been implemented in 9 courts, 6 additional courts have been trained and go-live is pending prosecutor readiness. The remaining 7 courts are targeted to be implemented in FY22.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Immediately

2. General Importance or Impact to Your Court:

Statewide Initiative

LJ Public Safety Assessment Automation

Description:

This project involves developing an automated process for completing the Public Safety Assessment (PSA) report, a pretrial release assessment which is currently prepared by pretrial officers for judges to use when establishing release conditions for persons arrested for crimes. The long-term goal is to develop an automated system that would eliminate or significantly reduce the workload and amount of time it takes to complete a PSA, enabling the PSA to be used in additional limited jurisdiction courts which may not have pretrial services staff to conduct the assessment.

Project Phases One and Two built the infrastructure within the Justice Web Interface (JWI) to include the PSA questions and PSA report with calculated risk scores. Phase Three was anticipated to analyze and scope the creation of a fully automated process, including FTAs and out-of-state offenses. It was expected that automation would be developed for evaluating and answering the nine questions contained in the assessment, including evaluating information from 18 states that have determined violent offense lists for their jurisdictions. Changes in the statewide criminal history information service also created challenges for Phase Three, as information was received and parsed differently, causing additional time and work effort. Achieving the goal of full automation requires additional development and project phases to evaluate violent offenses in the remaining 31 states.

Developing a process for automatically initiating the PSA at the time a person is booked or fingerprinted, an additional long-term goal, requires additional stakeholders and buy-in, posing a significant challenge.

Anticipated rollout timeline:

Phase Three development work is on hold awaiting resources anticipated to be available in February 2022. Additional phases are possible but not yet planned.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

1-2 years

2. General Importance or Impact to Your Court:

Statewide Initiative

JOLTSaz Dependency & Officer UI (Probation)

Description:

The Dependent Children Automated Tracking System (DCATS) is the system of record used by the counties to enter statistical information on cases and volunteers. It is extensively used by both Court Appointed Special Advocates (CASA) and Foster Care Review Board (FCRB) for day-to-day tasks and activities. DCATS technology is outdated and must be replaced. In addition, all Dependency data needs to be housed in one location to eliminate a significant amount of duplicate data entry. A multi-phase development and conversion effort is getting underway to accomplish these tasks.

Technical evaluations are in progress for interface changes to JOLTSaz to provide a front-end web application for field officers, as currently used by Pima Juvenile Probation, for performing needs and strengths assessments for juveniles to further adopt evidence-based practices.

Anticipated rollout timeline:

DCATS replacement requirements have been gathered and development is in progress. The rollout is projected to begin in Fall 2022. JOLTSaz interface changes are planned but no analysis or requirements work has begun. Once complete, the work effort can be estimated and a project plan established.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

1-2 years

2. General Importance or Impact to Your Court:

Statewide Initiative Digital Evidence Rollout

Description:

Following the recommendations of the chief justice's Digital Evidence Task Force, Commission on Technology's Technical Advisory Council crafted a vendor-developed cloud solution for handling the full lifecycle of digital evidence that could be implemented within two years. Governance bodies gave approval for the concept. Clerks will be provided tools and services to manage digital evidence and access to it within the portal solution. Attorneys and self-represented litigants will have the ability to upload evidence and present it from its digital form during court proceedings.

Post-COVID, remote court operations greatly increased the pressure for a solution and accelerated the timeline for proving the concept in pilot courts. In the interest of time, CaseLines from Thomson-Reuters, a packaged solution that addresses only the courts' portion of the evidence lifecycle, was selected for a demonstration project as pricing details and a payment model were negotiated.

Mohave Superior Court was the first court to have staff trained and to go live for hearings in civil and criminal case types.

Anticipated rollout timeline:

Digital evidence remains in the pilot phase for various case types at multiple courts. A more general rollout is anticipated to begin in mid-FY22, depending on availability of AOC resources.

1. Timeframe in which needed:

(immediately, next 12 months,
1-2 years, 3-4 years)

Next 12 months

2. General Importance or Impact to Your Court:

D.2. LOCAL INFORMATION TECHNOLOGY STRATEGIC RESOURCES

This section provides high-level information about the technology spending and resources by court for FY22.

LOCAL TECHNOLOGY RESOURCES				
Court	State Device Cost	Other Technical Cost	Number of:	
			Court FTE Technical Staff	City or County FTE Technical Support Staff
Coconino County Superior Court & Clerk	\$74,074	\$107,000	1.8	0
Flagstaff Municipal Court	\$35,270	\$106,625	.5	0
Flagstaff Justice Court	\$28,924	\$29,400	.42	0
Fredonia Justice Court	\$5,752	\$17,350	.07	-
Fredonia Municipal Court	\$825	-	-	-
Page Justice Court	\$6,340	\$4,000	.105	-
Page Municipal Court	\$6,304	-	-	-
Williams Justice Court	\$8,568	\$36,149	.105	-
Williams Municipal Court	\$2,889	-	-	-
Tusayan Municipal Court	\$1,313	\$2,500	-	-

APPENDIX A. CURRENT ENVIRONMENT

1. HARDWARE ENVIRONMENT BY COURT

This section lists the judicial branch-owned hardware deployed in the courts, including mainframes, servers, desktops, and other peripherals.

Court	Number of PCs	PC Operating System	Number of Laptops	Laptop Operating System	Number of Network Printers
Coconino County Superior Court and Clerk of the Court	57	Windows 10	10	Windows 10	14
Coconino County Superior Court and Clerk of the Court (County)	5	Windows 10	0	-	4
Flagstaff Justice Court	26	Windows 10	2	Windows 10	7
Flagstaff Justice Court (County)	-	-	-	-	1
Flagstaff Municipal Court	34	Windows 10	4	Windows 10	2
Flagstaff Municipal Court (City)	1	Windows 10	-	-	1
Fredonia Justice	4	Windows 10	0	-	1
Fredonia Justice (County)	0	-	0	-	1
Fredonia Municipal Court	1	Windows 10	0	-	0
Page Justice Court	7	Windows 10	0	-	1
Page Municipal Court	7	Windows 10	0	-	1

Court	Number of PCs	PC Operating System	Number of Laptops	Laptop Operating System	Number of Network Printers
Williams Justice Court	6	Windows 10	1	Windows 10	1
Williams Municipal Court	1	Windows 10	1	-	1
Tusayan Municipal Court	0	-	1	Windows 10	0
Juvenile (AOC)	73	Windows 10	1	Windows 10	5
Juvenile (County)	0	-	-	-	17

2. HARDWARE FOR SPECIAL FUNCTIONS

Hardware listed below also appears in the above count.

Hardware for special functions.

Court	Number of:				
	Public Access PCs	In Courtroom PCs	In Chambers PCs	Dedicated Imaging/ Scanning Workstations	Dedicated ACAP Training PCs
Coconino County Superior Court	4(county)	6	6	5	-
Flagstaff Municipal Court	1(City)	14	5	1	4
Flagstaff Justice Court	1(county)	4	2	-	-
Fredonia Justice Court	-	1	1	-	-
Fredonia Municipal Court	-	-	-	-	-
Page Justice Court	-	1	1	-	-
Page Municipal Court	-	1	1	-	-
Williams Justice Court	1(County)	1	1	-	-
Williams Municipal Court	-	-	1	-	-
Tusayan Municipal Court	-	-	-	-	-
Juvenile	-	1	2	-	-

3. LOCAL SERVER HARDWARE AND FUNCTION

LOCAL SERVER INFORMATION					
Court/Dept.	# Brand / Model	Operating System	Databases	Managed By	Use / Applications
Coconino Superior	Dell Power Edge 730	Windows Server 2012R2	SQL	Local Court IT	Files Storage, Crystal Enterprise, Calendar Displays
Coconino Superior	Dell Power Edge 730	Windows Server 2012R2	SQL	Local Court IT	Backup Server
Coconino Superior	Dell Power Edge 730	Windows Server 2012R2	SQL	Local Court IT	Domain Controller
Flagstaff Municipal	Netgear ReadyNas RN314	ReadyNas 6.4	N/A	Local Court IT	File Storage
Fredonia Justice	Netgear ReadyNas RN314	ReadyNas 6.4	N/A	Local Court IT	File Storage

4. NETWORK ENVIRONMENT

The business network is the Arizona Judicial Information Network (AJIN), maintained by the AOC, and all court computer equipment is attached to it.

5. SOFTWARE ENVIRONMENT

This section identifies all the software used in the courts. It includes the state-provided applications (such as AJACS, AZTEC, TIP, JOLTS, and APETS) and any word processing, spreadsheet, report writing and other database or other tracking applications.

SC – Coconino County Superior Court
 FM – Flagstaff Municipal Court
 FJ – Flagstaff Justice Court
 FRJ – Fredonia Justice Court
 FRM – Fredonia Municipal Court
 PJ – Page Justice Court
 PM – Page Municipal Court
 WJ – Williams Justice Court
 WM – Williams Municipal Court

LOCAL APPLICATIONS					
Application Name	Developed/ Supported By	Courts Using	Vendor Package, Bolt-On, or Standalone	Implementation Date	Replacement Date/Strategy
AJACS application software for the Arizona Court Automation Project (ACAP)	AOC	Superior Court	N/A		
AJACS application software for the Arizona Court Automation Project (ACAP)	AOC	All Justice and Municipal Courts	N/A		
Other Calendaring: PDF uploaded to web	Judicial Assistants	SC, FM, FJ	N/A		
Calendar Display	Local Court IT	Superior Court, Flagstaff Justice, Flagstaff Muni	N/A		
APETS (Adult Probation Enterprise Tracking System)	AOC	SC	N/A		
DCATS - CASA	AOC	SC	N/A		
JOLTS (Juvenile On-Line Tracking System)	AOC	SC	N/A		
Statistical Reports (CASPER)	AOC	Superior Court and all Justice and Municipal Courts	N/A		
CourTools	AOC	Superior Court and all Justice and Municipal Courts			
Tax Intercept Program (TIP)	AOC	Superior Court and all Justice and Municipal Courts	N/A		
Windows 10	Microsoft/Local Staff	Superior Court and all Justice and Municipal	Package		

LOCAL APPLICATIONS					
Application Name	Developed/ Supported By	Courts Using	Vendor Package, Bolt-On, or Standalone	Implementation Date	Replacement Date/Strategy
		Courts			
Server Operating System: MS Server 2012R2	Microsoft/Local Staff	Superior Court and all Justice and Municipal Courts	Package		
Network operating system: Cisco IOS 12.x	Cisco/AOC	Superior Court and all Justice and Municipal Courts	Package		
Data Backup/ Recovery System	Local Staff	Superior Court Flagstaff Justice and Municipal Courts	Standalone		
Office 365	Microsoft/AOC staff	Superior Court and all Justice and Municipal Courts	Package		
Adobe Acrobat Reader DC	Adobe	Superior Court and all Justice and Municipal Courts	Package		
Other virus prevention: Sophos	Vendor/Local staff	Superior and all Justice and FM	Package		
Business Objects/Crystal Enterprise	Crystal/AOC staff	Superior Court, FJ, FM	Package		
Problem and Change Management					
Software Configuration Management					
Hardware and software inventory: Excel	Local staff	Superior Court and all Justice and Municipal	Package		

LOCAL APPLICATIONS					
Application Name	Developed/ Supported By	Courts Using	Vendor Package, Bolt-On, or Standalone	Implementation Date	Replacement Date/Strategy
		Courts			
Procurement/Materials Mgmt					
Other online training tool					
Fines, Fees and Restitution Enforcement Module for FARE participation	AOC and vendor, ACS	FJ, FM, FJ, WJ, Clerk of the Superior Court.	N/A		
Pre-Adjudication Payment gateway: Official Payments	Vendor	WJ, FRJ, FJ	Vendor		
Pre-Adjudication Payment gateway: NCourt	Vendor	FM	Vendor		
Pre-Adjudication Payment gateway: OLCP	AOC	All LJ courts	Vendor		
Digital Audio Recording: Liberty	Vendor/Local Staff	Superior Court and all Justice and Municipal Courts	Package		
Electronic Document Management System Product Name: OnBase	AOC	All Courts	Package		
Data warehouse	AOC	Superior	AOC/CCI/CDR		
Integration-electronic data sharing with county/city law enforcement	AOC, Coconino County IT	SC, FJ, FM	Coconino County server, AOC server, DPS server		
Integration-electronic data sharing with city/county prosecutor	AOC, Coconino County IT	SC, FJ, FM	Coconino County server, AOC server, DPS server		

LOCAL APPLICATIONS					
Application Name	Developed/ Supported By	Courts Using	Vendor Package, Bolt-On, or Standalone	Implementation Date	Replacement Date/Strategy
Integration-electronic data reporting of dispositions to DPS	AOC developed and supported	SC, FJ, FM	N/A		
Integration-electronic data reporting of citations/dispositions to MVD	AOC developed and supported	FM	N/A		
Jury system: WebGen	JSI/Jury+	SC, FM	Package		
Public access	BMI Imaging Systems (Digital Fiche)	SC	Package		
Court Website	Civic Plus Coconino County Information Technology	Superior Court and all Justice and Municipal Courts	Vendor		
AZTraCS	DPS, Flagstaff PD, AOC	All Justice Courts, FM	Package		
Interactive Voice Response System	AOC				
Project mgmt. / tracking					
E-Citation	Pragmatica AZTRACS	FM FJ	Vendor		
Timekeeping	Tyler Tech	Superior, Justice Courts	Package		
Human Resources					

6. COMPARISON OF ENVIRONMENT TO ARIZONA JUDICIAL BRANCH ENTERPRISE ARCHITECTURE

The table below prompts you to identify any current technologies and products classified in the retirement and containment categories of the architecture. Beginning with the FY08 plan, **COT requires that a project be defined for the removal/replacement or any item listed in the “retirement” category within plan period. Enter the project name and scheduled completion date in the rightmost column.** Items in the “containment” category can have no more widespread use without exception being granted by COT. The next stop on the lifecycle is retirement; therefore, further investment is unwise and serves to make removal/replacement only more difficult and expensive.

The complete, updated table appears on the COT website at <http://www.azcourts.gov/cot/EnterpriseArchitectureStandards.aspx>. Where there are unique, local undertakings that cannot be leveraged, a court is free to go beyond the standards set in the table. When sharable modules related to core applications are developed, the standards must be followed.

Architecture Layers	Retirement (targeted for de-investment)	Containment (limited to maintenance & current commitments)	Current Court Technology or Product (fill in)	Remediation Plan/ Timeline
APPLICATIONS & TOOLS				
User Interface Delivery Method for Public Access	Internet Explorer	HTTP unsecured anything, all links should use HTTPS/TLS	IE11, Firefox, Chrome Edge	Windows 11
User Interface Delivery Method for Business Applications	Character based, Silverlight, Plugin-based, Classic ASP	.NET FULL Framework		
Electronic Document Management	Hyland OnBase ≤17	Hyland OnBase 17/18	Foundation EP3	
Document Imaging	Kofax Card (SCSI)	Kofax Ascent Capture	Twain	
Report Writer for Ad Hoc Reporting	Crystal <10, MS SSRS ≤2008	Crystal 10, MS SSRS 2012	Crystal 11, Crystal Enterprise	Crystal 2020 with new server
Report Writer for Business Application Reports	Crystal <10, MS SSRS ≤2008	Crystal 10, MS SSRS 2017	Crystal 11, Crystal Enterprise	Crystal 2020 with new server
Development Languages	ASP (Classic), COBOL, JAM, RPG, Windows Workflow Foundation	Java (on a business case need basis, .NET FULL Framework	.NET	
Development	Visual Studio ≤2015,	Visual Studio 2017		

Architecture Layers	Retirement (targeted for de-investment)	Containment (limited to maintenance & current commitments)	Current Court Technology or Product (fill in)	Remediation Plan/ Timeline
Environment	Windows Workflow Foundation			
Source Control	Aldon, VSS, CCC, Harvest, Mercurial	SVN, source control process		
Code Generation	Alachisoft, Visible Developer			
OFFICE PRODUCTIVITY TOOLS				
Word Processing	Word ≤2016	Word 2018	O365/Word 2102	
Spreadsheet	Excel <2016	Excel 2018	O365/Excel 2102	
Presentation	PowerPoint ≤2016	PowerPoint 2018	O365/PowerPoint 2102	
Local Standalone Database	MS-Access ≤2016	MS-Access 2018	O365/MS-Access 2102	
E-mail Client Product	Outlook ≤2016, GroupWise (unsupported)	Outlook 2018, GroupWise (unsupported)	O365/Outlook 2102	
Instant Messaging	MS-Live Communication Server, Lync, Skype for Business 2015	Skype for Business 2016	TEAMS	
Collaboration	Live Communication Server, SharePoint Server <2013, Google Apps	SharePoint Server ≤2013, Skype for Business	TEAMS	
Distance Learning		Centra	TEAMS, Zoom	
DATA ARCHITECTURE				
DBMS	SQL Server <2012 R2, Informix ≤11.7.x	SQL Server 2012/2014, Informix 12.1, MySQL 7.5		
Data Modeling Tools	PowerDesigner <16.x	PowerDesigner 16.x		
Data Exchange Model	XML homegrown	Fixed format, GJXDM		
Data Transmission Encryption	Triple Data Encryption Standard (DES)			

Architecture Layers	Retirement (targeted for de-investment)	Containment (limited to maintenance & current commitments)	Current Court Technology or Product (fill in)	Remediation Plan/ Timeline
e-Mail Encryption		S/MIME		
NETWORKS AND PLATFORMS				
Client Operating System	<Windows 10 1809	Windows 10 1809	Windows 10 20H2	
Server & Network Operating Systems	OS/400, Windows ≤2008 R2	Windows Server 2012 R2	MS Windows 2012 R2, Netgear ReadyNAS	
SHARED SERVICES				
Component Service Layer	DCOM, ASP (classic), Remoting	Services (previous version), unstructured APIs, WCF		
Login Authentication	Unsecured content	UserID/Password	2FA Office/Duo Security	
Remote Access Through Internet by employees or contractors	ipsec/AnyConnect		Cisco AnyConnect	
Remote Access Through Internet by vendors or trusted partners	ipsec/AnyConnect; TeamViewer n-2 version	TeamViewer n-1 version	Zoom	
MESSAGE TRANSPORT MIDDLEWARE				
Message Transport	MQ ≤V7.1	MQ V7.5/V8.0	MQ 8.0	
Data Transformation	Data Junction, MQSI, DTS	Cloverleaf, WMB V10.0, BizTalk		
Data Routing/Publish and Subscribe	MQSI	Cloverleaf, WMB V10.0, BizTalk		
File Transfer, Transactional and Scheduled Production (Mission Critical)	FTP (intercourt and using public Internet), MQ ≤7.1	SFTP (intracourt only), MQ V7.5/V8.0		

Architecture Layers	Retirement (targeted for de-investment)	Containment (limited to maintenance & current commitments)	Current Court Technology or Product (fill in)	Remediation Plan/ Timeline
File Transfer, Production Non-Transactional and Ad Hoc (Not Mission Critical and Not Sensitive)	MQ ≤7.1, FTP	MQ V7.5/V8.0	MQ 8.0	
JURY BUSINESS APPLICATIONS				
Jury Management	<Jury+ NG	Jury+ NG	Jury Plus WebGen	